



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11701421
SAU: Waterville Public Schools
School: Waterville Junior High School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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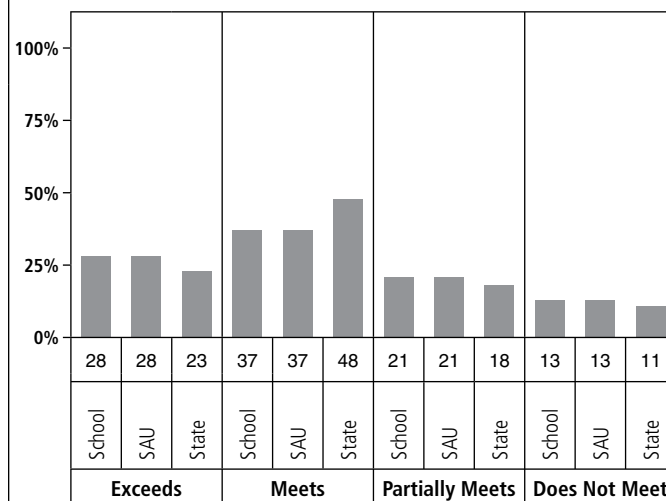
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

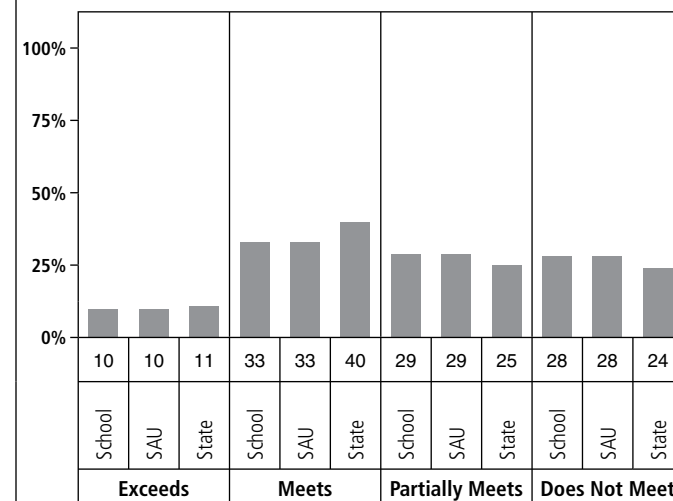
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	839	839	845
2006–2007	845	845	847
2007–2008	849	849	849
Cum. Avg. *	844	844	847
Mathematics			
2005–2006	838	838	840
2006–2007	837	837	842
2007–2008	840	840	841
Cum. Avg. *	838	838	841
Science & Technology			
2005–2006	848	848	846
2006–2007	850	850	847
2007–2008	850	850	847
Cum. Avg. *	849	849	847

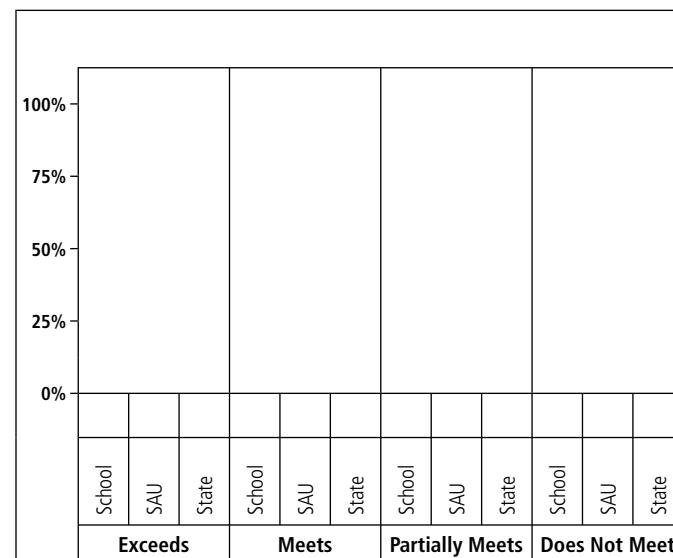
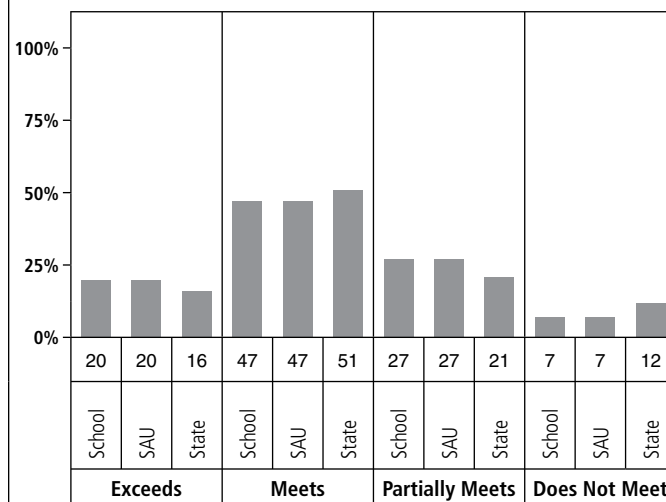
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	126	100	127	100	15274	100	124	98	124	98	15102	99	124	98	124	98	15097	99	123	98	123	97	15080	99						
Ethnicity African American/Black	3	2	4	3	368	2	3	100	3	75	356	97	3	100	3	75	360	98	3	100	3	75	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	6	5	6	5	186	1	6	100	6	100	181	97	6	100	6	100	182	98	6	100	6	100	182	98						
Hispanic	2	2	2	2	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	115	91	115	91	14461	95	113	98	113	98	14312	99	113	98	113	98	14302	99	112	97	112	97	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	22	17	23	18	2508	16	22	100	22	96	2446	98	22	100	22	96	2441	98	22	100	22	96	2431	98						
Current LEP	1	1	1	1	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99						
Economically disadvantaged	67	53	67	53	5420	35	66	99	66	99	5329	99	66	99	66	99	5324	99	65	97	65	97	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	102	81	102	80	12703	83	102	81	102	80	12694	83	101	80	101	80	12710	83						
Identified disability (PET/IEP)	2	2	2	2	437	3	2	2	2	2	421	3	2	2	2	2	445	4						
LEP	1	1	1	1	172	1	1	1	1	1	172	1	1	1	1	1	173	1						
504 plan	3	3	3	3	229	2	3	3	3	3	231	2	2	2	2	2	230	2						
Participation with accommodations	21	17	21	17	2221	15	21	17	21	17	2227	15	21	17	21	17	2197	14						
Identified disability (PET/IEP)	19	90	19	90	1832	82	19	90	19	90	1844	83	19	90	19	90	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	1	5	1	5	68	3	1	5	1	5	66	3	1	5	1	5	66	3						
Other	1	5	1	5	213	10	1	5	1	5	202	9	1	5	1	5	204	9						
Participation through alternate assessment (PAAP)	1	1	1	1	177	1	1	1	1	1	176	1	1	1	1	1	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	2	2	3	2	140	1	2	2	3	2	143	1	3	2	4	3	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	Waterville Public Schools
School:	Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	8	5	8	5	2695	17
	2006-2007	15	11	15	11	2407	16
	2007-2008	35	28	35	28	3428	23
	Cum. Total*	58	14	58	14	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	76	45	75	44	6830	42
	2006-2007	66	49	66	49	7494	49
	2007-2008	46	37	46	37	7179	48
	Cum. Total*	188	44	187	44	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	39	23	39	23	3741	23
	2006-2007	34	25	33	25	3628	24
	2007-2008	26	21	26	21	2706	18
	Cum. Total*	99	23	98	23	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	46	27	47	28	3003	18
	2006-2007	20	15	20	15	1810	12
	2007-2008	16	13	16	13	1611	11
	Cum. Total*	82	19	83	19	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	36.6	65.4	36.6	65.4	36.9	65.9
Literary Text	28	50	17.9	63.9	17.9	63.9	18.3	65.4
Informational Text	28	50	18.7	66.8	18.7	66.8	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	123	35	28	46	37	26	21	16	13	849	123	28	37	21	13	849	14924	23	48	18	11	849
Ethnicity																						
African American/Black	3										3						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	6	2	33	3	50	1	17	0	0	855	6	33	50	17	0	855	179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	112	32	29	41	37	24	21	15	13	850	112	29	37	21	13	850	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	21	0	0	5	24	7	33	9	43	831	21	0	24	33	43	831	2269	3	24	32	42	833
No	102	35	34	41	40	19	19	7	7	853	102	34	40	19	7	853	12655	27	52	16	5	852
Current LEP																						
Yes	1										1						308	8	30	27	34	837
No	122	34	28	46	38	26	21	16	13	849	122	28	38	21	13	849	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	65	12	18	21	32	19	29	13	20	843	65	18	32	29	20	843	5222	12	44	25	19	843
No	58	23	40	25	43	7	12	3	5	856	58	40	43	12	5	856	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	123	35	28	46	37	26	21	16	13	849	123	28	37	21	13	849	14917	23	48	18	11	849
Gender																						
Female	56	17	30	19	34	15	27	5	9	851	56	30	34	27	9	851	7198	30	48	15	7	853
Male	67	18	27	27	40	11	16	11	16	848	67	27	40	16	16	848	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	123	35	28	46	37	26	21	16	13	849	123	28	37	21	13	849	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	123	35	28	46	37	26	21	16	13	849	123	28	37	21	13	849	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score		
		%	N	%	N	%	N	%	N			%	%	%	%	%	%	%	%		%	
How much homework do you do on school nights?																						
A. none	10	0	0	6	50	2	17	4	33	838	10	0	50	17	33	838	9	10	39	24	26	841
B. less than one hour	48	18	32	22	39	11	19	6	11	850	48	32	39	19	11	850	46	20	50	20	11	849
C. one to two hours	38	15	33	18	40	10	22	2	4	854	38	33	40	22	4	854	41	28	49	15	7	852
D. more than two hours	5	2	33	0	0	3	50	1	17	848	5	33	0	50	17	848	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	40	18	38	23	48	6	13	1	2	856	40	38	48	13	2	856	33	31	48	14	7	853
B. They match some of what I have learned.	48	17	29	18	31	16	28	7	12	849	48	29	31	28	12	849	53	21	51	19	9	849
C. They match just a little of what I have learned.	10	0	0	4	33	4	33	4	33	834	10	0	33	33	33	834	11	14	41	25	20	844
D. There is no match.	2	0	0	1	50	0	0	1	50	834	2	0	50	0	50	834	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	42	25	50	20	40	2	4	3	6	859	42	50	40	4	6	859	31	42	44	8	6	857
B. good	47	10	18	23	41	19	34	4	7	847	47	18	41	34	7	847	49	19	54	19	9	849
C. fair	9	0	0	2	18	4	36	5	45	828	9	0	18	36	45	828	18	5	42	31	22	840
D. poor	3	0	0	1	33	1	33	1	33	835	3	0	33	33	33	835	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	18	6	29	8	38	3	14	4	19	847	18	29	38	14	19	847	15	16	44	22	18	845
B. about the same as my regular schoolwork	67	21	26	31	39	20	25	8	10	849	67	26	39	25	10	849	65	23	49	18	9	850
C. easier than my regular schoolwork	16	8	42	7	37	3	16	1	5	857	16	42	37	16	5	857	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	2	17	2	17	4	33	4	33	837	10	17	17	33	33	837	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	53	11	17	27	43	18	29	7	11	846	53	17	43	29	11	846	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	38	22	49	17	38	4	9	2	4	859	38	49	38	9	4	859	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	14	27	19	37	13	25	6	12	848	43	27	37	25	12	848	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	52	20	32	24	39	13	21	5	8	853	52	32	39	21	8	853	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	1	17	3	50	0	0	2	33	845	5	17	50	0	33	845	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	27	15	47	11	34	3	9	3	9	855	27	47	34	9	9	855	18	31	47	13	9	852
B. 20 minutes to an hour	43	15	29	22	42	12	23	3	6	852	43	29	42	23	6	852	41	28	49	15	7	852
C. less than 20 minutes	6	1	14	6	86	0	0	0	0	855	6	14	86	0	0	855	13	20	49	18	12	848
D. I rarely read at home.	24	4	14	7	24	11	38	7	24	840	24	14	24	38	24	840	28	12	47	26	16	844
How do you feel about the following statement? “My knowledge of reading will be useful to me as an adult.”																						
A. strongly agree	46	22	40	22	40	7	13	4	7	855	46	40	40	13	7	855	43	31	48	14	7	853
B. agree	48	13	23	19	33	17	30	8	14	846	48	23	33	30	14	846	48	18	50	20	12	848
C. disagree	4	0	0	3	60	1	20	1	20	842	4	0	60	20	20	842	6	11	43	24	21	843
D. strongly disagree	3	0	0	2	67	1	33	0	0	851	3	0	67	33	0	851	2	6	36	32	26	839
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	12	7	11	6	1714	11
	2006-2007	6	4	6	5	1952	13
	2007-2008	12	10	12	10	1657	11
	Cum. Total*	30	7	29	7	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	53	31	53	31	5533	34
	2006-2007	45	34	44	33	5870	38
	2007-2008	41	33	41	33	5956	40
	Cum. Total*	139	33	138	32	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	58	34	58	34	4764	29
	2006-2007	41	31	41	31	3982	26
	2007-2008	36	29	36	29	3729	25
	Cum. Total*	135	32	135	32	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	47	28	48	28	4251	26
	2006-2007	42	31	42	32	3534	23
	2007-2008	34	28	34	28	3579	24
	Cum. Total*	123	29	124	29	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.5	53.1	8.5	53.1	8.4	52.5
Cluster 2: Shape and Size	14	25	4.7	33.6	4.7	33.6	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.4	55.0	4.4	55.0	4.6	57.5
Cluster 4: Patterns	18	32	9.2	51.1	9.2	51.1	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	123	12	10	41	33	36	29	34	28	840	123	10	33	29	28	840	14921	11	40	25	24	841
Ethnicity																						
African American/Black	3										3						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	6	1	17	3	50	2	33	0	0	848	6	17	50	33	0	848	181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	112	11	10	38	34	31	28	32	29	840	112	10	34	28	29	840	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	21	0	0	7	33	4	19	10	48	831	21	0	33	19	48	831	2265	1	14	22	62	824
No	102	12	12	34	33	32	31	24	24	842	102	12	33	31	24	842	12656	13	45	26	17	844
Current LEP																						
Yes	1										1						315	5	24	20	51	828
No	122	12	10	40	33	36	30	34	28	840	122	10	33	30	28	840	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	65	2	3	18	28	23	35	22	34	836	65	3	28	35	34	836	5217	5	30	29	37	834
No	58	10	17	23	40	13	22	12	21	844	58	17	40	22	21	844	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	123	12	10	41	33	36	29	34	28	840	123	10	33	29	28	840	14914	11	40	25	24	841
Gender																						
Female	56	3	5	17	30	17	30	19	34	837	56	5	30	30	34	837	7199	11	40	26	23	841
Male	67	9	13	24	36	19	28	15	22	842	67	13	36	28	22	842	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	123	12	10	41	33	36	29	34	28	840	123	10	33	29	28	840	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	123	12	10	41	33	36	29	34	28	840	123	10	33	29	28	840	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
		%	N	%	N	%	N	%	N														%
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 48 38 5	0 7 5 0	0 12 11 0	1 18 19 3	8 32 42 50	4 20 11 1	33 35 24 17	7 12 10 2	58 21 22 33	828 842 843 839	10 48 38 5	0 12 11 0	8 32 42 50	33 35 24 17	58 21 22 33	828 842 843 839	9 46 41 5	5 10 14 14	30 40 42 38	23 26 25 23	41 25 19 24	833 840 843 842	
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	46 37 15 3	8 4 0 0	15 9 0 0	23 16 2 0	42 36 11 0	18 11 5 2	33 25 28 67	6 13 11 1	11 30 61 33	845 840 829 832	46 37 15 3	15 9 0 0	42 36 11 0	33 25 28 67	11 30 61 33	845 840 829 832	30 50 17 4	17 10 6 3	43 42 32 18	22 26 29 25	18 22 33 54	845 841 836 828	
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	31 48 18 3	8 3 1 0	22 5 5 0	14 23 4 0	38 40 18 0	10 17 7 2	27 29 32 67	5 15 10 1	14 26 45 33	847 840 831 832	31 48 18 3	22 5 5 0	38 40 18 0	27 29 32 67	14 26 45 33	847 840 831 832	26 45 23 5	29 7 1 1	46 46 26 14	14 27 34 29	11 20 38 57	851 841 833 827	
How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	39 43 18	2 5 5	4 10 24	15 16 10	32 31 48	13 18 5	28 35 24	17 13 1	36 25 5	837 840 852	39 43 18	4 10 24	32 31 48	28 35 24	36 25 5	837 840 852	34 52 13	4 10 33	35 43 40	28 26 14	32 21 13	836 842 852	
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	42 53 5	3 8 1	6 13 17	21 19 1	42 30 17	13 20 3	26 31 50	13 17 1	26 27 17	840 841 842	42 53 5	6 13 17	42 30 17	26 31 50	26 27 17	840 841 842	44 50 6	10 13 9	40 42 27	26 24 27	25 21 38	840 843 835	
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	3 2 32 63	1 0 0 11	25 0 0 14	1 0 11 29	25 0 29 38	1 1 12 22	25 50 32 29	1 1 15 14	25 50 39 18	844 823 834 844	3 2 32 63	25 0 0 14	25 0 29 38	25 50 32 29	25 50 39 18	844 823 834 844	9 16 28 48	6 8 12 13	38 38 41 40	27 27 27 23	29 27 21 24	837 839 843 842	
How often do you use calculators in mathematics class? A. almost every day B. two or three times a week C. two or three times each month D. never or almost never	44 41 11 4	5 5 2 0	9 10 15 0	15 22 4 0	28 45 31 0	18 10 4 4	34 20 31 80	15 12 3 1	28 24 23 20	839 842 845 834	44 41 11 4	9 10 15 0	28 45 31 0	34 20 31 80	28 24 23 20	839 842 845 834	38 33 18 11	14 10 10 7	42 41 36 34	23 26 27 26	21 23 27 33	843 841 840 836	
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	53 42 5 1	6 5 1 0	10 10 17 0	26 13 2 0	41 26 33 0	21 12 3 0	33 24 50 0	10 20 0 1	16 40 0 100	843 837 846 826	53 42 5 1	10 10 17 0	41 26 33 0	33 24 50 100	16 40 0 100	843 837 846 826	54 38 6 2	14 8 6 3	44 36 31 23	23 27 28 25	18 28 36 49	844 838 835 831	
Optional school/SAU question A. B. C. D.	0 0 0 0										0 0 0 0												

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	21	12	20	12	1879	12
	2006-2007	22	16	22	17	2192	14
	2007-2008	24	20	24	20	2371	16
	Cum. Total*	67	16	66	16	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	102	60	102	60	8604	53
	2006-2007	77	57	76	57	7916	52
	2007-2008	57	47	57	47	7630	51
	Cum. Total*	236	56	235	55	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	28	17	29	17	3618	22
	2006-2007	26	19	26	20	3340	22
	2007-2008	33	27	33	27	3175	21
	Cum. Total*	87	20	88	21	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	18	11	18	11	2174	13
	2006-2007	9	7	9	7	1865	12
	2007-2008	8	7	8	7	1731	12
	Cum. Total*	35	8	35	8	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.0	57.1	8.0	57.1	8.1	57.9
Cluster 2: Physical Sciences	14	25	8.1	57.9	8.1	57.9	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.5	60.7	8.5	60.7	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.4	60.0	8.4	60.0	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/ltsalt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Waterville Public Schools
 School: Waterville Junior High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	122	24	20	57	47	33	27	8	7	850	122	20	47	27	7	850	14907	16	51	21	12	847
Ethnicity																						
African American/Black	3										3						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	6	0	0	5	83	1	17	0	0	851	6	0	83	17	0	851	181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	111	24	22	51	46	29	26	7	6	850	111	22	46	26	6	850	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	21	2	10	7	33	7	33	5	24	840	21	10	33	33	24	840	2258	3	29	31	37	836
No	101	22	22	50	50	26	26	3	3	852	101	22	50	26	3	852	12649	18	55	20	7	850
Current LEP																						
Yes	1										1						315	4	29	25	42	834
No	121	24	20	56	46	33	27	8	7	850	121	20	46	27	7	850	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	64	6	9	28	44	24	38	6	9	844	64	9	44	38	9	844	5206	8	45	28	20	842
No	58	18	31	29	50	9	16	2	3	856	58	31	50	16	3	856	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	122	24	20	57	47	33	27	8	7	850	122	20	47	27	7	850	14900	16	51	21	12	847
Gender																						
Female	56	6	11	29	52	17	30	4	7	847	56	11	52	30	7	847	7196	14	52	23	12	847
Male	66	18	27	28	42	16	24	4	6	852	66	27	42	24	6	852	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	122	24	20	57	47	33	27	8	7	850	122	20	47	27	7	850	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	122	24	20	57	47	33	27	8	7	850	122	20	47	27	7	850	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Waterville Public Schools
School: Waterville Junior High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	1	8	4	33	6	50	1	8	842	10	8	33	50	8	842	9	10	40	26	23	842
B. less than one hour	48	13	23	25	44	16	28	3	5	851	48	23	44	28	5	851	46	14	52	22	12	847
C. one to two hours	38	10	22	25	56	7	16	3	7	852	38	22	56	16	7	852	41	19	53	19	9	849
D. more than two hours	5	0	0	3	50	3	50	0	0	845	5	0	50	50	0	845	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	45	14	26	27	51	12	23	0	0	854	45	26	51	23	0	854	29	19	54	19	9	849
B. They match some of what I have learned.	40	6	13	24	50	12	25	6	13	847	40	13	50	25	13	847	49	16	51	22	11	848
C. They match just a little of what I have learned.	13	4	27	5	33	5	33	1	7	850	13	27	33	33	7	850	18	13	51	23	13	846
D. There is no match.	3	0	0	1	33	2	67	0	0	840	3	0	33	67	0	840	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	32	16	42	20	53	2	5	0	0	860	32	42	53	5	0	860	23	28	51	13	8	853
B. good	45	7	13	22	41	22	41	3	6	847	45	13	41	41	6	847	54	15	55	21	9	848
C. fair	19	1	4	12	52	6	26	4	17	842	19	4	52	26	17	842	20	5	45	32	18	842
D. poor	4	0	0	3	60	2	40	0	0	845	4	0	60	40	0	845	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	22	5	19	9	35	11	42	1	4	849	22	19	35	42	4	849	27	15	49	22	14	846
B. about the same as my regular schoolwork	62	12	16	39	53	17	23	6	8	849	62	16	53	23	8	849	59	15	53	22	10	848
C. easier than my regular schoolwork	16	7	37	9	47	3	16	0	0	856	16	37	47	16	0	856	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	36	10	23	18	42	13	30	2	5	851	36	23	42	30	5	851	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	61	13	18	36	50	18	25	5	7	849	61	18	50	25	7	849	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	3	1	25	3	75	0	0	0	0	852	3	25	75	0	0	852	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	22	3	12	12	46	10	38	1	4	847	22	12	46	38	4	847	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	28	10	29	19	56	4	12	1	3	856	28	29	56	12	3	856	24	18	53	20	10	849
C. the course(s) described in B, plus physics	28	10	30	15	45	8	24	0	0	855	28	30	45	24	0	855	22	30	47	14	8	853
D. a life science and physical science class	23	1	4	11	41	10	37	5	19	840	23	4	41	37	19	840	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	35	14	33	20	48	8	19	0	0	856	35	33	48	19	0	856	27	23	51	17	9	851
B. agree	53	9	14	28	44	22	35	4	6	847	53	14	44	35	6	847	54	15	53	21	11	847
C. disagree	12	1	7	8	57	2	14	3	21	845	12	7	57	14	21	845	15	10	50	26	14	845
D. strongly disagree	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	28	14	42	13	39	6	18	0	0	858	28	42	39	18	0	858	25	24	52	15	8	851
B. agree	43	5	10	25	49	16	31	5	10	847	43	10	49	31	10	847	37	15	50	22	12	847
C. disagree	23	4	15	14	52	7	26	2	7	849	23	15	52	26	7	849	26	12	53	23	12	846
D. strongly disagree	8	1	11	5	56	3	33	0	0	846	8	11	56	33	0	846	12	8	48	28	15	844
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number